

1631

#18

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/180,209

DATE: 01/23/2001
 TIME: 13:27:17

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3 <110> APPLICANT: KARPUSAS, MIHAIL N.
 4 SINGH, JUSWINDER
 5 THOMAS, DAVID W.
 7 <120> TITLE OF INVENTION: CRYSTALS OF FRAGMENTS OF CD40 LIGAND AND THEIR USE
 9 <130> FILE REFERENCE: BIOGEN B189 US
 11 <140> CURRENT APPLICATION NUMBER: 09/180,209
 C--> 12 <141> CURRENT FILING DATE: 1999-12-22
 14 <150> PRIOR APPLICATION NUMBER: 60/000,448
 15 <151> PRIOR FILING DATE: 1995-06-22
 17 <150> PRIOR APPLICATION NUMBER: PCT/US96/10664
 18 <151> PRIOR FILING DATE: 1996-06-21
 20 <160> NUMBER OF SEQ ID NOS: 3
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 24 <210> SEQ ID NO: 1
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 26 <212> TYPE: PRT
 27 <213> ORGANISM: Homo sapiens
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 34 20 25 30
 36 Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu
 37 35 40 45
 39 Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln Gly Cys
 40 50 55 60
 42 Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg Ile Ala Val
 43 65 70 75 80
 45 Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro Cys
 46 85 90 95
 48 Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu Pro
 49 100 105 110
 51 Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser
 52 115 120 125
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 64 <213> ORGANISM: Homo sapiens
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 70 Ser Leu Leu Trp Arg Ala Asn Thr Asp Arg Ala Phe Leu Gln Asp Gly
 71 20 25 30

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73 Phe Ser Leu Ser Asn Asn Ser Leu Leu Val Pro Thr Ser Gly Ile Tyr
74           35           40           45
76 Phe Val Tyr Ser Gln Val Val Phe Ser Gly Lys Ala Tyr Ser Pro Lys
77           50           55           60
79 Ala Thr Ser Ser Pro Leu Tyr Leu Ala His Glu Val Gln Leu Phe Ser
80 65           70           75           80
82 Ser Gln Tyr Pro Phe His Val Pro Leu Leu Ser Ser Gln Lys Met Val
83           85           90           95
85 Tyr Pro Gly Leu Gln Glu Pro Trp Leu His Ser Met Tyr His Gly Ala
86           100          105          110
88 Ala Phe Gln Leu Thr Gln Gly Asp Gln Leu Ser Thr His Thr Asp Gly
89           115          120          125
91 Ile Pro His Leu Val Leu Ser Pro Ser Thr Val Phe Phe Gly Ala Phe
92 130          135          140
94 Ala Leu
95 145
98 <210> SEQ ID NO: 3
99 <211> LENGTH: 146
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110 Met Ser Asn Asn Leu Val Thr Leu Glu Asn Gly Lys Gln Leu Thr Val
111           35           40           45
113 Lys Arg Gln Gly Leu Tyr Tyr Ile Tyr Ala Gln Val Thr Phe Cys Ser
114           50           55           60
116 Asn Arg Glu Ala Ser Ser Gln Ala Pro Phe Ile Ala Ser Leu Cys Leu
117 65           70           75           80
119 Lys Ser Pro Gly Arg Phe Glu Arg Ile Leu Leu Arg Ala Ala Asn Thr
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122 His Ser Ser Ala Lys Pro Cys Gly Gln Gln Ser Ile His Leu Gly Gly
123           100          105          110
125 Val Phe Glu Leu Gln Pro Gly Ala Ser Val Phe Val Asn Val Thr Asp
126           115          120          125
128 Pro Ser Gln Val Ser His Gly Thr Gly Phe Thr Ser Phe Gly Leu Leu
129           130          135          140
131 Lys Leu
132 145

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VERIFICATION SUMMARY

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date